

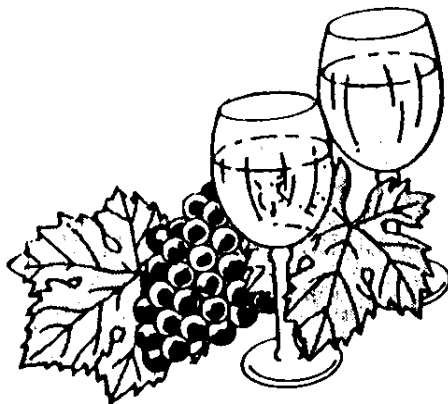


**2002**

**Washington**

**Wine Grape**

**Acreage Survey**



# 2002 WASHINGTON WINE GRAPE ACREAGE SURVEY

COMPILED BY:

## WASHINGTON AGRICULTURAL STATISTICS SERVICE

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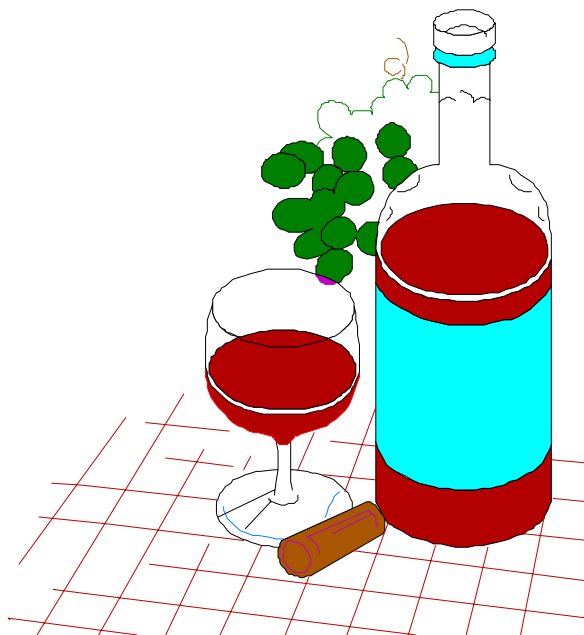
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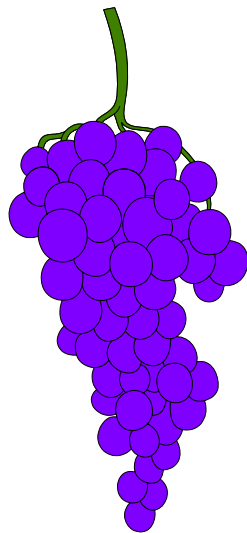


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## Acknowledgement

Information presented in this report are estimates of the wine grape acreage from the Wine Grape Acreage Survey conducted during the fall of 2001. The estimates are rounded to the nearest 10 acres. There are some estimates that are not compatible with previous reports due to an additional Appellation and sub-Appellations being created since the 1999 survey. Data for year planted and variety are comparable at the state level however.

The Washington Wine Commission (WWC) and the Washington Association of Wine Grape Growers (WAWGG) recognized the need for accurate and current information to document the development of the wine grape industry. They contracted with the Washington Agricultural Statistics Service (WASS) to survey the growers. Cooperation from growers and other resource people was very good. Both WWC and WAWGG encouraged their members to participate in the survey which was recognized by the growers. Funding to complete this survey was from both organizations, the WWC and WAWGG. Stacie Jacob of the WWC and Vicky Scharlau of the WAWGG were resource people that provided very strong support for the survey and were very responsive for additional information when requested.

Total acreage on January 1, 2002 was 28,000 acres, an increase of 17 percent from July 1, 1999. However, the bearing acreage was 24,800 acres, an increase of 46 percent. This indicates an expanding industry, but at a more stable rate.

The additional workload for this survey fell on Joe Ross, our fruit statistician; Jerry McCall, Deputy State Statistician; and Rita Walker, who prepared the final copy and posted the results on the Internet. Their dedicated efforts were in addition to their normal assignment and is appreciated.

Douglas A. Hasslen  
State Statistician

## Washington Wine Grape Acreage, July 1, 2002

The total wine grape acreage in Washington is estimated at 28,000 acres as of January 1, 2002, an increase of 17 percent from the July 1, 1999 estimate of 24,000 acres. Red varieties increased 19 percent during this period, going from 13,500 acres in 1999 to 16,000 acres in 2002. White varieties were up 14 percent, going from 10,500 acres in 1999 to 12,000 acres in 2002. The total bearing acreage of wine grapes (based on bearing the third year) was 24,800 acres compared with 17,000 acres on July 1, 1999, an increase of 46 percent.

The ratio of bearing acres to total acres shows that red varieties are still expanding at a higher rate than the white varieties. The percent of white varieties that are bearing is 91% and red varieties are at 87% for a combined average

of 89% bearing. Comparison to 1999 data shows white varieties were 86% bearing age and red varieties were 59% for an overall average of 71% bearing.

Chardonnay still retains its status as the most popular variety with the largest bearing acreage. Cabernet Sauvignon and Merlot are the second and third leading varieties in terms of total acreage. Since the 1999 survey, Cabernet Sauvignon has replaced Merlot as the second leading variety in the State by only a slight margin. The total of these three varieties accounts for 67% of the State's total acreage and 69 percent of the bearing acreage.

### WINE GRAPE ACREAGE, TOTAL, AND BEARING ACRES, 1999 & 2002, WASHINGTON

Variety	July 1, 1999		January 1, 2002		Percent 2002/1999	
	Total	Bearing	Total	Bearing	Total	Bearing
<b>White Varieties:</b>						
Chardonnay	6,100	5,030	6,640	6,290	109%	125%
Chenin Blanc	400	400	450	450	113%	113%
Gewurztraminer	400	310	670	540	168%	174%
Muscat Canelli	110	110	100	90	91%	82%
Pinot Gris	150	80	330	230	220%	288%
Sauvignon Blanc	700	600	710	680	101%	113%
Semillon	600	590	550	540	92%	92%
Viognier	60	20	230	50	383%	250%
White Riesling	1,900	1,780	2,200	1,940	116%	109%
Other White 1/	80	80	120	90	150%	113%
<b>Total White</b>	<b>10,500</b>	<b>9,000</b>	<b>12,000</b>	<b>10,900</b>	<b>114%</b>	<b>121%</b>
<b>Red Varieties:</b>						
Cabernet Franc	700	510	750	720	107%	141%
Cabernet Sauvignon	5,000	2,690	6,050	5,130	121%	191%
Lemberger	150	110	230	180	153%	164%
Malbec	50	10	90	50	180%	500%
Merlot	5,600	4,040	5,980	5,630	107%	139%
Pinot Noir	200	200	290	260	145%	130%
Sangiovese	100	40	220	140	220%	350%
Syrah	1,500	290	2,100	1,610	140%	555%
Zinfandel	50	10	70	60	140%	600%
Other Red 1/	150	100	220	120	147%	120%
<b>Total Red</b>	<b>13,500</b>	<b>8,000</b>	<b>16,000</b>	<b>13,900</b>	<b>119%</b>	<b>174%</b>
<b>TOTAL ALL VARIETIES</b>	<b>24,000</b>	<b>17,000</b>	<b>28,000</b>	<b>24,800</b>	<b>117%</b>	<b>146%</b>

\* The Columbia Valley and Walla Walla Valley AVA's extend into Oregon. The Oregon acreage in these two AVA's is 760 acres to bring the Washington State and contiguous Oregon acreage to 28,760 total acres of wine grapes.

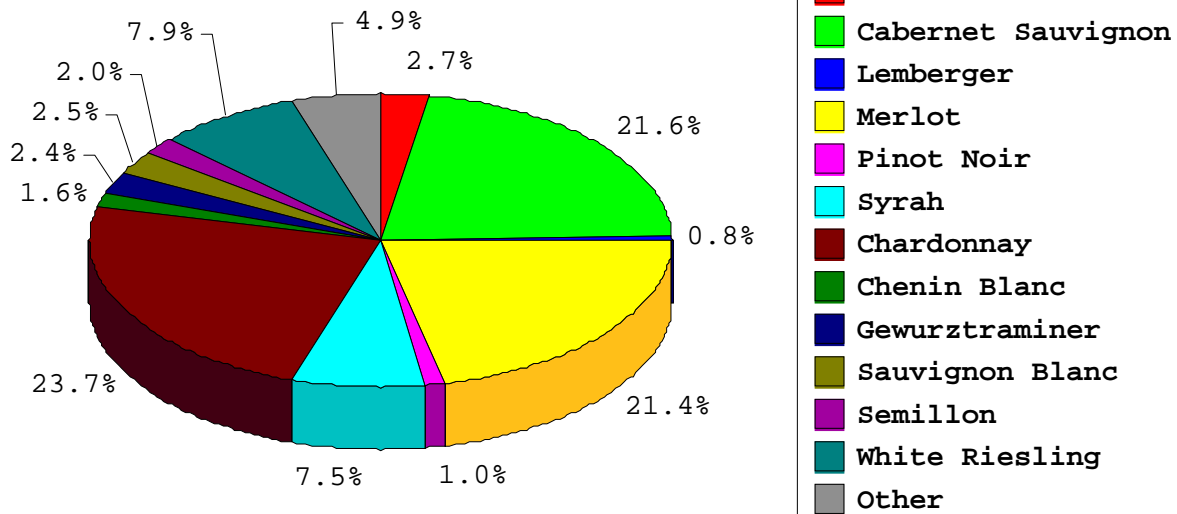
1/ "Other" includes varieties not published due to disclosure of individual operations. See page 17 for further information.

## Acreage by American Viticultural Areas

An American Viticultural Area (AVA) is an area that is “recognized” and “defined” by the Bureau of Alcohol, Tobacco and Firearms. An AVA has unique climate, soil, physical features, etc. which distinguish it from surrounding areas. Washington has five AVAs which are Puget Sound, Yakima Valley, Columbia Valley and Red Mountain and Walla Walla Valley. The Red Mountain AVA is the newest of Washington’s viticultural areas and was established in 2001. Two of Washington’s AVAs, the Columbia Valley and the Walla Walla Valley, extend into the state of Oregon. Acreage in this report for these two AVAs includes only the Washington portion of the acreage unless stated otherwise.

The Yakima Valley and the Columbia Valley AVAs have 94% of the State’s total acreage. Chardonnay is the variety with the largest acreage in the Yakima Valley AVA, at 3,130 acres, followed by Merlot with 1,940 acres and Cabernet Sauvignon with 1,100 acres. The combined acreage of these three varieties is 6,170 acres or 64% of the Yakima Valley AVA total. The Columbia Valley AVA shows Cabernet Sauvignon as the leading variety with 4,360 acres followed by Merlot with 3,680 acres and Chardonnay with 3,380 acres. The three variety total for the Columbia Valley is 11,420 acres or 69% of the Columbia Valley AVA total.

**Major Wine Grape Varieties**  
Washington, January 1, 2002



## Washington Wine Grape Acreage, January 1, 2002 - by AVA's

Variety	Puget Sound		Yakima		Red Mountain		Columbia Valley 1/		Walla Walla 1/		Other		State Total	
	Total	Bearing	Total	Bearing	Total	Bearing	Total	Bearing	Total	Bearing	Total	Bearing	Total	Bearing
<b>White Varieties:</b>														
Chardonnay	0	0	3,130	2,920	50	40	3,380	3,250	60	60	20	20	6,640	6,290
Chenin Blanc	0	0	150	150	20	20	280	280	0	0	0	0	450	450
Gewurztraminer	0	0	410	320	10	10	230	190	10	10	10	10	670	540
Muscat Canelli	0	0	20	10	0	0	80	80	0	0	0	0	100	90
Pinot Gris	10	10	210	140	0	0	90	60	0	0	20	20	330	230
Sauvignon Blanc	0	0	250	220	20	20	440	440	0	0	0	0	710	680
Semillon	0	0	140	140	10	10	400	390	0	0	0	0	550	540
Voignier	0	0	100	30	0	0	120	10	10	10	0	0	230	50
White Riesling	0	0	910	750	10	10	1,260	1,160	10	10	10	10	2,200	1,940
Other White	30	30	20	10	20	10	30	20	0	0	20	20	120	90
<b>Total White</b>	<b>40</b>	<b>40</b>	<b>5,340</b>	<b>4,690</b>	<b>140</b>	<b>120</b>	<b>6,310</b>	<b>5,880</b>	<b>90</b>	<b>90</b>	<b>80</b>	<b>80</b>	<b>12,000</b>	<b>10,900</b>
<b>Red Varieties:</b>														
Cabernet Franc	0	0	230	220	20	20	460	460	40	20	0	0	750	720
Cabernet Sauvignon	0	0	1,100	1,050	250	230	4,360	3,650	330	190	10	10	6,050	5,130
Lemberger	0	0	160	130	20	10	50	40	0	0	0	0	230	180
Malbec	0	0	30	10	0	0	50	30	10	10	0	0	90	50
Merlot	0	0	1,940	1,790	150	140	3,680	3,550	200	140	10	10	5,980	5,630
Pinot Noir	20	10	150	150	0	0	80	60	0	0	40	40	290	260
Sangiovese	0	0	80	40	20	10	110	80	10	10	0	0	220	140
Syrah	0	0	580	440	70	50	1,350	1,070	100	50	0	0	2,100	1,610
Zinfandel	0	0	10	10	0	0	60	50	0	0	0	0	70	60
Other Red	20	20	30	10	40	20	90	40	20	10	20	20	220	120
<b>Total Red Varieties</b>	<b>40</b>	<b>30</b>	<b>4,310</b>	<b>3,850</b>	<b>570</b>	<b>480</b>	<b>10,290</b>	<b>9,030</b>	<b>710</b>	<b>430</b>	<b>80</b>	<b>80</b>	<b>16,000</b>	<b>13,900</b>
<b>TOTAL ALL</b>	<b>80</b>	<b>70</b>	<b>9,650</b>	<b>8,540</b>	<b>710</b>	<b>600</b>	<b>16,600</b>	<b>14,910</b>	<b>800</b>	<b>520</b>	<b>160</b>	<b>160</b>	<b>28,000</b>	<b>24,800</b>

1/ The Oregon acreage in the Columbia Valley AVA is 481 and in the Walla Walla Valley AVA is 279. This brings the Columbia Valley AVA total to 17,081 acres and the Walla Walla Valley AVA total to 1,079 acres.

## Columbia Valley AVA Wine Grape Acreage

The Columbia Valley AVA extends across the state line into the Oregon counties of Gilliam, Morrow, Sherman, Umatilla and Wasco. Approximately 59 percent of the state's wine grape acreage is located in this region. The Columbia Valley accounts for 64 percent of the state's acreage of red varieties and 53 percent of the state's acreage of white varieties.

following regions: Wahluke Slope, Royal Slope, Columbia Basin/Snake River, Alderdale Ridge, Columbia Gorge, Canoe Ridge, Cold Creek, Mattawa, Wallula and Other. Acreage estimates by variety and subregion of the Columbia Valley are shown in the table below. Data for the Canoe Ridge, Cold Creek, and Wallula regions were combined to avoid disclosing information about individual operations.

The Columbia Valley AVA was subdivided into the

### Columbia Valley AVA Total Wine Grape Acreage, January 1, 2001 - by Region

Variety	Wahluke Slope	Royal Slope	Col. Basin/ Snake River	Alderdale Ridge	Columbia Gorge	Mattawa	Combined Regions 1/	Other	Columbia Valley Total
<b>White Varieties:</b>									
Chardonnay	290	160	650	370	40	350	520	1,000	3,380
Chenin Blanc	40	0	30	10	0	0	0	200	280
Gewurztraminer	20	0	40	0	40	0	0	130	230
Muscat Canelli	0	0	0	10	0	0	40	30	80
Pinot Gris	0	0	30	0	0	0	10	50	90
Sauvignon Blanc	40	0	100	40	0	10	20	230	440
Semillon	20	0	30	0	0	60	0	290	400
Voignier	10	0	10	50	0	10	10	30	120
White Riesling	130	0	220	30	0	50	190	640	1,260
Other White	10	0	0	20	0	0	0	0	30
<b>Total White</b>	<b>560</b>	<b>160</b>	<b>1,110</b>	<b>530</b>	<b>80</b>	<b>480</b>	<b>790</b>	<b>2,600</b>	<b>6,310</b>
<b>Red Varieties:</b>									
Cabernet Franc	60	190	60	100	0	50	60	130	460
Cabernet Sauvignon	640	0	400	660	10	600	710	1,140	4,360
Lemberger	0	0	0	30	10	0	0	20	50
Malbec	0	0	0	20	0	0	10	20	50
Merlot	380	170	430	500	10	700	790	700	3,680
Pinot Noir	10	0	50	0	10	0	0	10	80
Sangiovese	20	0	30	20	0	10	30	0	110
Syrah	250	120	150	230	10	130	120	340	1,350
Zinfandel	20	0	0	40	0	0	0	0	60
Other Red	10	0	30	40	0	10	0	0	90
<b>Total Red</b>	<b>1,390</b>	<b>480</b>	<b>1,150</b>	<b>1,640</b>	<b>50</b>	<b>1,500</b>	<b>1,720</b>	<b>2,360</b>	<b>10,290</b>
<b>TOTAL ALL</b>	<b>1,950</b>	<b>640</b>	<b>2,260</b>	<b>2,170</b>	<b>130</b>	<b>1,980</b>	<b>4,230</b>	<b>4,960</b>	<b>16,600</b>

1/ Includes Canoe Ridge, Cold Creek, and Wallula—for publication.



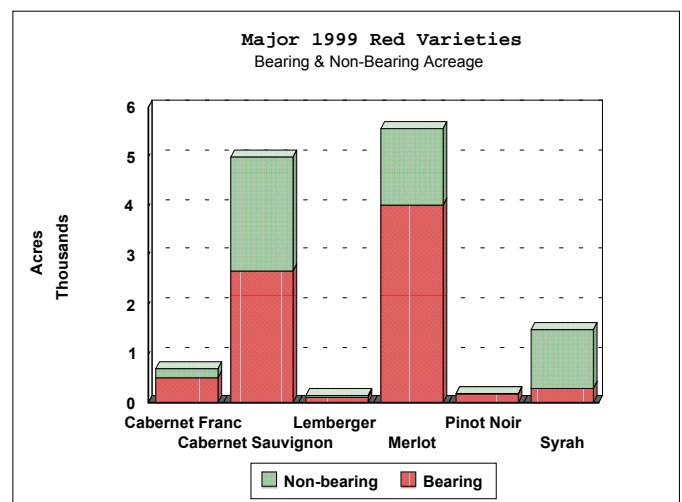
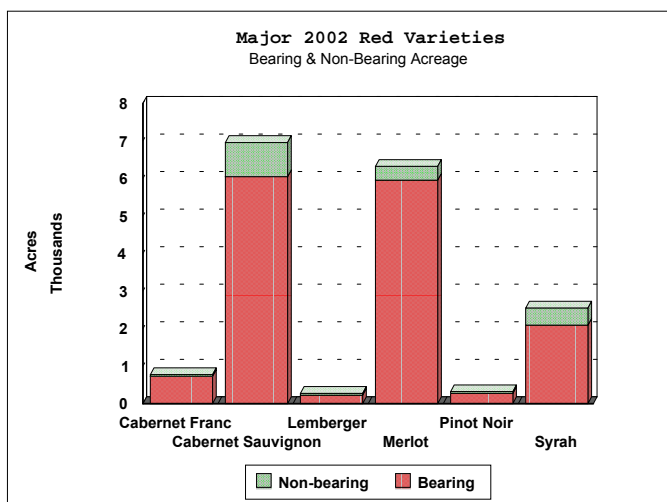
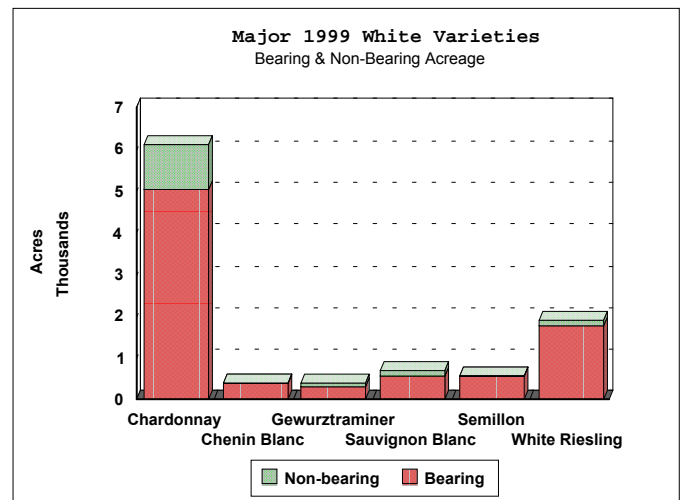
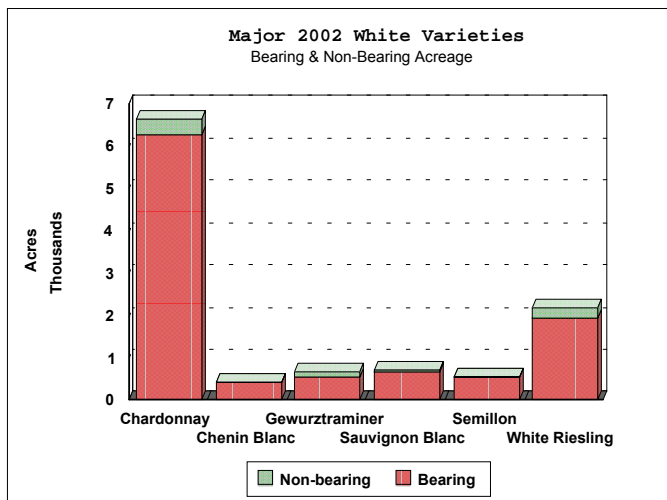
## Washington State Wine Grape Acreage by AVA and Year Planted

Data at the state level indicate that wine grape acreage is still increasing but the rate has slowed somewhat. The 1999 survey indicated that 7,000 new acres of wine grapes would come into production by 2001. The current survey indicates that 3,200 new acres will come into production during the next two years. Grower intentions also show that very little established acreage will be removed during the next year. At the State level, there are 2,100 acres of non-bearing red varieties and 1,100 acres of non-bearing white varieties, which illustrates that red varieties are still responsible for the largest portion of the acreage increase. The Columbia Valley has 430 acres of non-bearing white varieties compared to 1,260 acres of non-bearing red varieties. In the Yakima Valley, there are more non-bearing white varieties than non-bearing red varieties. Non-bearing red varieties total 460 acres compared to 650 non-bearing acres of white varieties.

In addition to being the most common white variety in the state, at 6,640 total acres, Chardonnay is also the most common white variety in all AVAs with the exception of

Puget Sound. The white variety with the largest number of non-bearing acres in the state is Chardonnay, at 350 out of a total of 6,640 acres. At the AVA level, the Yakima Valley has the largest number of non-bearing Chardonnay acres, at 210. The red variety with the largest number of non-bearing acres in the State is Cabernet Sauvignon, at 920 acres. At the AVA level, the Columbia Valley has the largest number of non-bearing Cabernet Sauvignon acres, at 710.

The white variety with the largest number of acres in the State planted prior to 1982 is White Riesling, at 1,280 acres or 58 percent of the total acreage. At the AVA level, 900 of the State's 1,280 White Riesling acres planted prior to 1982 are located in the Columbia Valley. The red variety with largest number of acres planted prior to 1982 is Cabernet Sauvignon, at 720 acres or 12 percent of the total acreage. At the AVA level, 600 of the State's 720 Cabernet Sauvignon acres planted prior to 1982 are located in the Columbia Valley.



## Washington State Wine Grape Acreage, January 1, 2002 - by Year Planted

Variety	Prior to 1982	1982- 1991	1992- 1996	1997	1998	1999	2000	2001	Washington Total	
									Total	Bearing
<b>White Varieties:</b>										
Chardonnay	740	1,970	1,080	1,100	890	510	340	10	6,640	6,290
Chenin Blanc	290	160	0	0	0	0	0	0	450	450
Gewurztraminer	170	120	0	50	10	190	120	10	670	540
Muscat Canelli	80	10	0	0	0	0	0	10	100	90
Pinot Gris	0	10	70	20	60	70	100	0	330	230
Sauvignon Blanc	310	260	10	10	30	60	30	0	710	680
Semillon	370	120	30	20	0	0	10	0	550	540
Viognier	0	0	10	0	10	30	70	110	230	50
White Riesling	1,280	480	10	0	40	130	100	160	2,200	1,940
Other White	0	30	20	10	20	10	20	10	120	90
<b>Total White</b>	<b>3,240</b>	<b>3,160</b>	<b>1,230</b>	<b>1,210</b>	<b>1,060</b>	<b>1,000</b>	<b>790</b>	<b>310</b>	<b>12,000</b>	<b>10,900</b>
<b>Red Varieties:</b>										
Cabernet Franc	0	80	200	200	190	50	20	10	750	720
Cabernet Sauvignon	720	930	650	430	910	1,490	830	90	6,050	5,130
Lemberger	40	80	10	0	0	50	50	0	230	180
Malbec	0	0	10	0	20	20	30	10	90	50
Merlot	300	1,310	1,430	890	910	790	290	60	5,980	5,630
Pinot Noir	110	140	10	0	0	0	30	0	290	260
Sangiovese	0	10	30	20	20	60	70	10	220	140
Syrah	0	40	160	80	300	1,030	400	90	2,100	1,610
Zinfandel	0	0	0	20	0	40	10	0	70	60
Other Red	30	30	20	0	20	20	20	80	220	120
<b>Total Red</b>	<b>1,200</b>	<b>2,620</b>	<b>2,520</b>	<b>1,640</b>	<b>2,370</b>	<b>3,550</b>	<b>1,750</b>	<b>350</b>	<b>16,000</b>	<b>13,900</b>
<b>TOTAL ALL</b>	<b>4,440</b>	<b>5,780</b>	<b>3,750</b>	<b>2,850</b>	<b>3,430</b>	<b>4,550</b>	<b>2,540</b>	<b>660</b>	<b>28,000</b>	<b>24,800</b>

## Yakima Valley AVA Wine Grape Acreage, January 1, 2002 - by Year Planted

Variety	Prior to 1982	1982- 1991	1992- 1996	1997	1998	1999	2000	2001	Yakima Valley Total	
									Total	Bearing
<b>White Varieties:</b>										
Chardonnay	180	1,120	660	500	430	30	200	10	3,130	2,920
Chenin Blanc	80	70	0	0	0	0	0	0	150	150
Gewurztraminer	90	70	0	50	10	100	80	10	410	320
Muscat Canelli	10	0	0	0	0	0	0	10	20	10
Pinot Gris	0	0	40	20	60	20	70	0	210	140
Sauvignon Blanc	90	80	0	0	20	30	30	0	250	220
Semillon	80	50	10	0	0	0	0	0	140	140
Viognier	0	0	10	0	0	20	20	50	100	30
White Riesling	360	300	0	0	10	80	80	80	910	750
Other White	0	0	0	10	0	0	0	10	20	10
<b>Total White</b>	<b>890</b>	<b>1,690</b>	<b>720</b>	<b>580</b>	<b>530</b>	<b>280</b>	<b>480</b>	<b>170</b>	<b>5,340</b>	<b>4,690</b>
<b>Red Varieties:</b>										
Cabernet Franc	0	30	110	40	30	10	10	0	230	220
Cabernet Sauvignon	120	430	210	50	160	80	30	20	1,100	1,050
Lemberger	20	70	10	0	0	30	30	0	160	130
Malbec	0	0	0	0	0	10	10	10	30	10
Merlot	90	750	550	150	140	110	150	0	1,940	1,790
Pinot Noir	60	90	0	0	0	0	0	0	150	150
Sangiovese	0	10	10	10	0	10	40	0	80	40
Syrah	0	10	100	20	110	200	130	10	580	440
Zinfandel	0	0	0	10	0	0	0	0	10	10
Other Red	0	10	0	0	0	0	0	20	30	10
<b>Total Red</b>	<b>290</b>	<b>1,400</b>	<b>990</b>	<b>280</b>	<b>440</b>	<b>450</b>	<b>400</b>	<b>60</b>	<b>4,310</b>	<b>3,850</b>
<b>TOTAL ALL</b>	<b>1,180</b>	<b>3,090</b>	<b>1,710</b>	<b>860</b>	<b>970</b>	<b>730</b>	<b>880</b>	<b>230</b>	<b>9,650</b>	<b>8,540</b>

## Columbia Valley AVA Wine Grape Acreage, January 1, 2002 - by Year Planted

Variety	Prior to 1982	1982- 1991	1992- 1996	1997	1998	1999	2000	2001	Columbia Valley Total	
									Total	Bearing
<b>White Varieties:</b>										
Chardonnay	540	770	410	600	450	480	130	0	3,380	3,250
Chenin Blanc	210	70	0	0	0	0	0	0	280	280
Gewurztraminer	60	40	0	0	0	90	40	0	230	190
Muscat Canelli	70	10	0	0	0	0	0	0	80	80
Pinot Gris	0	10	0	0	0	50	30	0	90	60
Sauvignon Blanc	220	160	10	10	10	30	0	0	440	440
Semillon	290	60	20	20	0	0	10	0	400	390
Viognier	0	0	0	0	0	10	50	60	120	10
White Riesling	900	170	10	0	30	50	20	80	1,260	1,160
Other White	0	10	0	0	0	10	10	0	30	20
<b>Total White</b>	<b>2,290</b>	<b>1,300</b>	<b>450</b>	<b>630</b>	<b>490</b>	<b>720</b>	<b>290</b>	<b>140</b>	<b>6,310</b>	<b>5,880</b>
<b>Red Varieties:</b>										
Cabernet Franc	0	50	80	140	160	30	0	0	460	460
Cabernet Sauvignon	600	390	370	340	670	1,280	680	30	4,360	3,650
Lemberger	20	0	0	0	0	20	10	0	50	40
Malbec	0	0	10	0	20	0	20	0	50	30
Merlot	200	500	810	710	750	580	90	40	3,680	3,550
Pinot Noir	40	20	0	0	0	0	20	0	80	60
Sangiovese	0	0	10	10	10	50	20	10	110	80
Syrah	0	30	30	50	170	790	240	40	1,350	1,070
Zinfandel	0	0	0	10	0	40	10	0	60	50
Other Red	10	20	0	0	0	10	10	40	90	40
<b>Total Red</b>	<b>870</b>	<b>1,010</b>	<b>1,310</b>	<b>1,260</b>	<b>1,780</b>	<b>2,800</b>	<b>1,100</b>	<b>160</b>	<b>10,290</b>	<b>9,030</b>
<b>TOTAL ALL</b>	<b>3,160</b>	<b>2,310</b>	<b>1,760</b>	<b>1,890</b>	<b>2,270</b>	<b>3,520</b>	<b>1,390</b>	<b>300</b>	<b>16,600</b>	<b>14,910</b>

# Walla Walla Valley AVA Wine Grape Acreage, January 1, 2002 - by Year Planted

Variety	Prior to 1982	1982- 1991	1992- 1996	1997	1998	1999	2000	2001	Walla Walla Valley Total	
									Total	Bearing
<b>White Varieties:</b>										
Chardonnay	10	40	0	0	10	0	0	0	60	60
Chenin Blanc	0	0	0	0	0	0	0	0	0	0
Gewurztraminer	0	10	0	0	0	0	0	0	10	10
Muscat Canelli	0	0	0	0	0	0	0	0	0	0
Pinot Gris	0	0	0	0	0	0	0	0	0	0
Sauvignon Blanc	0	0	0	0	0	0	0	0	0	0
Semillon	0	0	0	0	0	0	0	0	0	0
Viognier	0	0	0	0	10	0	0	0	10	10
White Riesling	10	0	0	0	0	0	0	0	10	10
Other White	0	0	0	0	0	0	0	0	0	0
<b>Total White</b>	<b>20</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>90</b>	<b>90</b>
<b>Red Varieties:</b>										
Cabernet Franc	0	0	0	10	0	10	10	10	40	20
Cabernet Sauvignon	0	20	10	10	20	130	120	20	330	190
Lemberger	0	0	0	0	0	0	0	0	0	0
Malbec	0	0	0	0	0	10	0	0	10	10
Merlot	0	10	10	10	10	100	50	10	200	140
Pinot Noir	0	0	0	0	0	0	0	0	0	0
Sangiovese	0	0	10	0	0	0	0	0	10	10
Syrah	0	0	10	0	0	40	20	30	100	50
Zinfandel	0	0	0	0	0	0	0	0	0	0
Other Red	0	0	0	0	0	10	0	10	20	10
<b>Total Red</b>	<b>0</b>	<b>30</b>	<b>40</b>	<b>30</b>	<b>30</b>	<b>300</b>	<b>200</b>	<b>80</b>	<b>710</b>	<b>430</b>
<b>TOTAL ALL</b>	<b>20</b>	<b>80</b>	<b>40</b>	<b>30</b>	<b>50</b>	<b>300</b>	<b>200</b>	<b>80</b>	<b>800</b>	<b>520</b>

### Puget Sound AVA Wine Grape Acreage, January 1, 2002 - by Year Planted

Variety	Prior to 1982	1982- 1991	1992- 1996	1997	1998	1999	2000	2001	Puget Sound Total	
									Total	Bearing
<b>White Varieties:</b>										
Chardonnay	0	0	0	0	0	0	0	0	0	0
Chenin Blanc	0	0	0	0	0	0	0	0	0	0
Gewurztraminer	0	0	0	0	0	0	0	0	0	0
Muscat Canelli	0	0	0	0	0	0	0	0	0	0
Pinot Gris	0	0	10	0	0	0	0	0	10	10
Sauvignon Blanc	0	0	0	0	0	0	0	0	0	0
Semillon	0	0	0	0	0	0	0	0	0	0
Viognier	0	0	0	0	0	0	0	0	0	0
White Riesling	0	0	0	0	0	0	0	0	0	0
Other White	0	10	10	0	10	0	0	0	30	30
<b>Total White</b>	<b>0</b>	<b>10</b>	<b>20</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>40</b>
<b>Red Varieties:</b>										
Cabernet Franc	0	0	0	0	0	0	0	0	0	0
Cabernet Sauvignon	0	0	0	0	0	0	0	0	0	0
Lemberger	0	0	0	0	0	0	0	0	0	0
Malbec	0	0	0	0	0	0	0	0	0	0
Merlot	0	0	0	0	0	0	0	0	0	0
Pinot Noir	0	10	0	0	0	0	10	0	20	10
Sangiovese	0	0	0	0	0	0	0	0	0	0
Syrah	0	0	0	0	0	0	0	0	0	0
Zinfandel	0	0	0	0	0	0	0	0	0	0
Other Red	20	0	0	0	0	0	0	0	20	20
<b>Total Red</b>	<b>20</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>40</b>	<b>30</b>
<b>TOTAL ALL</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>80</b>	<b>70</b>

## Red Mountain AVA Wine Grape Acreage, January 1, 2002 - by Year Planted

Variety	Prior to 1982	1982- 1991	1992- 1996	1997	1998	1999	2000	2001	Red Mountain Total	
									Total	Bearing
<b>White Varieties:</b>										
Chardonnay	0	30	10	0	0	0	10	0	50	40
Chenin Blanc	0	20	0	0	0	0	0	0	20	20
Gewurztraminer	10	0	0	0	0	0	0	0	10	10
Muscat Canelli	0	0	0	0	0	0	0	0	0	0
Pinot Gris	0	0	0	0	0	0	0	0	0	0
Sauvignon Blanc	0	20	0	0	0	0	0	0	20	20
Semillon	0	10	0	0	0	0	0	0	10	10
Viognier	0	0	0	0	0	0	0	0	0	0
White Riesling	10	0	0	0	0	0	0	0	10	10
Other White	0	0	0	0	10	0	10	0	20	10
<b>Total White</b>	<b>20</b>	<b>80</b>	<b>10</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>140</b>	<b>120</b>
<b>Red Varieties:</b>										
Cabernet Franc	0	0	10	10	0	0	0	0	20	20
Cabernet Sauvignon	0	80	60	30	60	0	0	20	250	230
Lemberger	0	10	0	0	0	0	10	0	20	10
Malbec	0	0	0	0	0	0	0	0	0	0
Merlot	10	50	50	20	10	0	0	10	150	140
Pinot Noir	0	0	0	0	0	0	0	0	0	0
Sangiovese	0	0	0	0	10	0	10	0	20	10
Syrah	0	0	20	10	20	0	10	10	70	50
Zinfandel	0	0	0	0	0	0	0	0	0	0
Other Red	0	0	0	0	20	0	10	10	40	20
<b>Total Red</b>	<b>10</b>	<b>140</b>	<b>140</b>	<b>70</b>	<b>120</b>	<b>0</b>	<b>40</b>	<b>50</b>	<b>570</b>	<b>480</b>
<b>TOTAL ALL</b>	<b>30</b>	<b>220</b>	<b>150</b>	<b>70</b>	<b>130</b>	<b>0</b>	<b>60</b>	<b>50</b>	<b>710</b>	<b>600</b>

### Other Area Wine Grape Acreage, January 1, 2002 - by Year Planted

Variety	Prior to 1982	1982- 1991	1992- 1996	1997	1998	1999	2000	2001	Other Total	
									Total	Bearing
<b>White Varieties:</b>										
Chardonnay	10	10	0	0	0	0	0	0	20	20
Chenin Blanc	0	0	0	0	0	0	0	0	0	0
Gewurztraminer	10	0	0	0	0	0	0	0	10	10
Muscat Canelli	0	0	0	0	0	0	0	0	0	0
Pinot Gris	0	0	20	0	0	0	0	0	20	20
Sauvignon Blanc	0	0	0	0	0	0	0	0	0	0
Semillon	0	0	0	0	0	0	0	0	0	0
Viognier	0	0	0	0	0	0	0	0	0	0
White Riesling	0	10	0	0	0	0	0	0	10	10
Other White	0	10	10	0	0	0	0	0	20	20
<b>Total White</b>	<b>20</b>	<b>30</b>	<b>30</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>80</b>	<b>80</b>
<b>Red Varieties:</b>										
Cabernet Franc	0	0	0	0	0	0	0	0	0	0
Cabernet Sauvignon	0	10	0	0	0	0	0	0	10	10
Lemberger	0	0	0	0	0	0	0	0	0	0
Malbec	0	0	0	0	0	0	0	0	0	0
Merlot	0	0	10	0	0	0	0	0	10	10
Pinot Noir	10	20	10	0	0	0	0	0	40	40
Sangiovese	0	0	0	0	0	0	0	0	0	0
Syrah	0	0	0	0	0	0	0	0	0	0
Zinfandel	0	0	0	0	0	0	0	0	0	0
Other Red	0	0	20	0	0	0	0	0	20	20
<b>Total Red</b>	<b>10</b>	<b>30</b>	<b>40</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>80</b>	<b>80</b>
<b>TOTAL ALL</b>	<b>30</b>	<b>60</b>	<b>70</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>160</b>	<b>160</b>



## Grower Intentions to Remove or Plant Acreage

Two questions were included in the survey for white and red varieties:

- |   |  |  |       |       |            |
|---|--|--|-------|-------|------------|
| 1. How many acres of wine grapes did you or do you plan to remove between January 1, 2002 to December 31, 2002? | A. White Varieties<br>B. Red Varieties | <table border="1" style="border-collapse: collapse; width: 100px;"> <tr><td style="text-align: center;">_____</td></tr> <tr><td style="text-align: center;">_____</td></tr> </table> | _____ | _____ | 770<br>780 |
| _____   |  |  |       |       |            |
| _____   |  |  |       |       |            |
| 2. How many acres of wine grapes did you or do you plan to plant between January 1, 2002 to December 31, 2002?  | A. White Varieties<br>B. Red Varieties | <table border="1" style="border-collapse: collapse; width: 100px;"> <tr><td style="text-align: center;">_____</td></tr> <tr><td style="text-align: center;">_____</td></tr> </table> | _____ | _____ | 870<br>880 |
| _____   |  |  |       |       |            |
| _____   |  |  |       |       |            |

The results of the survey show 40 acres of white varieties will be removed and 400 acres will be planted for a net change of 360 acres more white varieties by December 31, 2002. The response for red varieties was also positive with 20 acres to be removed and 250 acres to be planted for a net change of 230 acres more red varieties.

## Selected Characteristics of Operations Producing Wine Grapes in Washington

The entire operation was inventoried for fruit acreage by type to get a measure of diversity. The following question layout was used to inventory the fruit acreage on individual operations:

### INSTRUCTIONS

Please report the total acreage of each fruit and the total acreage in your entire operation. This information will be used to update our records plus provide information to describe the diversity of wine grape producers. The information you report should reflect your January 1, 2002 acreage. This will provide a clear break of acreage by age for estimating the bearing acreage of wine grapes.

### Summary of Fruit Acreage for Operation on Label - January 1, 2002

Fruit	Total Acres (Tenths)		Fruit	Total Acres (Tenths)
Apples	100 _____		Peaches	105 _____
Pears	101 _____		Nectarines	106 _____
Sweet Cherries	102 _____		Plums/Prunes	107 _____
Tart Cherries	103 _____		Wine Grapes	108 _____
Apricots	104 _____		Other Grapes	109 _____
Total Fruit Acreage .....			110	_____
Total Acres in Operation (Include roads, wasteland, other crops,etc.) .....			120	_____

The results of the inventory of fruit acreage for wine producers is presented in the following table:

Fruit Crops Produced by Washington Wine Grape Growers		
Fruit	Number of Reports	Acreage of Fruit
Apples	75	12,700
Pears	24	950
Sweet Cherries	47	2,000
Tart Cherries	0	0
Apricots	6	90
Peaches	11	200
Nectarines	7	100
Plums/Prunes	6	50
Wine Grapes	223	28,000
Other Grapes	52	5,100

Of the 223 operations reporting wine grapes, 171 (77%) of these producers had wine grapes only. There were 52 producers who had both wine grapes and Concord grapes. The diversity of the wine grape producers was another factor that could be measured and 77 of the 223 operations (35%) had some tree fruit. Of the 77 operations with tree fruit, 75 had apples, 24 had pears, 47 had sweet cherries, 6 had apricots, 11 had peaches, 7 had nectarines, and 6 had prunes. Some of the grape producers also had large fruit operations with 50 or more acres of a particular tree fruit. Sixty nine of the 75 apple producers had 50 or more acres of apples. Nineteen of the 24 pear producers had 50 or more acres of pears and 44 of the 47 sweet cherry growers had 50 or more acres of sweet cherries.

### Survey Procedures

The Wine Grape Acreage survey was designed as a mail survey with phone follow-up. The total number of wine grape producers is relatively small so a complete enumeration of all known producers was possible. WASS maintains a list of producers in the state with the associated control data for each agricultural commodity produced. A questionnaire was mailed to all known grape producers, regardless of type produced, to ensure that all known producers were surveyed. Coverage of the list was considered very good and industry contacts helped to supplement the list with their knowledge of current conditions.

The initial mailing was made on November 2, 2001 to 762 grape producers. The mail response was good as the the Wine Commission and the Washington Association of Wine Grape Growers supported the survey and encouraged response. About 45% of the response was by mail and 55% by phone. Some producers were personally interviewed as the Wine Grape Acreage survey overlapped with other ongoing surveys conducted by WASS.

Questionnaires received from growers were reviewed for completeness and keyentered in code-data format. Microsoft Visual FoxPro was used for editing and summarizing the reported data. Growers provided wine grape acreage information by variety, appellation and year of planting. A reference date for the survey of January 1, 2002 was used in order to provide a clear break for estimating acreage by age.

Operations not responding to the survey were estimated using control data for wine grape acreage maintained by WASS for sampling purposes, if available, or industry knowledge if no WASS data was available. The total raw data sum was adjusted for this non-response and estimates by variety and year planted were made proportional to reported data by AVA. The non-response adjustment to the total survey data was 8 percent. Acreage estimates were rounded to the nearest 10 acres.

Minor varieties were not published if they presented a disclosure problem as defined by NASS. A variety was not published if it was reported by less than three growers or if one producer had 60 percent or more of the reported acreage. These minor varieties were published as “Other White” and “Other Red” varieties. The minor white varieties that were reported but aggregated into the “Other White” category were Mueller-Thurgau, Siegerrebe, Madeline Angevine, Madeline Sylvaner, Marsanne, Orange Muscat, Rousanne, Muscat of Alexandria, Okanagan Riesling, and Muscat Ottonel. Following along these same lines, the minor red varieties combined to a total “Other Red” category were Petit Verdot, Gamay, Grenache, Campbell Early, Royalty, Marechal Foch, Nebbiolo, Touriga, Souzao, Tinto Cao, Leon Milot, Cinsaut, Carmenere, Dolcetto, Cournoise, Barbera, Mouverdre and Tannat.

Data published from this survey were reported in two publications. A two-page release was issued June 7, 2002 showing total and bearing acreage by variety at the AVA and state levels. On the date of publication, this report was sent to news media and any producer who requested a copy of the survey results. The final report will include acreage by variety and year planted at the state level and for each AVA. Also, total acreage data for the subregions of the Columbia Valley AVA was included. Distribution of the final report will be the responsibility of the Washington Wine Commission. WASS provided 12 copies of the final report to the Washington Wine Commission and Washington Association of Wine Grape Growers.



United States  
Department  
of Agriculture  
National Agricultural  
Statistics Service

## Washington Agricultural Statistics Service

PO Box 609 Olympia, WA 98507-0609 (360)902-1940 FAX (360)902-2091

[www.nass.usda.gov](http://www.nass.usda.gov)

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Dear Grape Producer:

The Washington Wine Commission (WWC) and the Washington Association of Wine Grape Growers (WAWGG) have requested our help in conducting a Wine Grape Acreage Survey. The last survey for wine grapes had a reference date of July 1, 1999. This report is on our web site at [www.nass.usda.gov/wa](http://www.nass.usda.gov/wa). The reference date for the current survey is January 1, 2002 and will provide a clear break of the crop year. Our goal is to provide compatible data from this survey that will provide an essential tool for both the wine growers and the Wine Commission in marketing and promotional efforts.

We are including both wine and juice grape producers in our sample to account for the best coverage of the wine grape industry. Many of the wine grape growers have diverse operations and have other commodities which will be reported on the face page of the questionnaire. If you do not have wine grapes, complete the face page for each fruit and skip to the back page to indicate if you intend to plant wine grapes.

Information is being requested by county, block, appellation (AVA) and sub-region. If the variety or year planted changes for a block, use a separate line. We are also requesting contracted information for the 2001 crop by block and the percentage of the 2002 crop that is under contract. This is the first time this type of information has been requested and the summarized data will need to be reviewed to see what can be published. All individual reports are confidential and only summarized data will be published. If one grower has 60% of the total, or there are fewer than 3 operations for a summarized total, a disclosure situation exists and we will need to have authorization from the growers to publish the data. After the data are summarized, we may contact some growers by phone to obtain authorization to publish.

Please complete the questionnaire and return it in the enclosed postage paid envelope. We will conduct phone follow up of the mail non-response beginning in late November. The enclosed map does not need to be returned. Joe Ross, Jim Johnson or Jerry McCall can answer questions you have about the survey. They can be reached at (800)435-5883.

Sincerely,

Douglas A Hasslen  
State Statistician

# Washington State American Viticultural Areas







United States  
Department  
of Agriculture  
National Agricultural  
Statistics Service

# WINE GRAPE ACREAGE SURVEY JANUARY 1, 2002

P.O. Box 609  
Olympia, WA 98507  
Form Approved  
O.M.B. #0535-0039  
Expires: 12/31/02  
Project Code 451

Dear Reporter:

The Washington Wine Commission (WWC) and Washington Association of Wine Grape Growers (WAWGG) have jointly contracted with our agency to conduct a survey of wine grapes in Washington. The data requested is the acreage of each wine variety, the year planted, and the acreage under contract.

Your voluntary response is needed for accurate estimates. All reports will be kept confidential and only summary data will be presented in a published report.

Sincerely,

*Doug Hasslen*  
Douglas A. Hasslen  
State Statistician

Please make correction in name, address, and zip code, if necessary.

## INSTRUCTIONS

Please report the total acreage of each fruit and the total acreage in your entire operation. This information will be used to update our records plus provide information to describe the diversity of wine grape producers. The information you report should reflect your January 1, 2002 acreage. This will provide a clear break of acreage by age for estimating the bearing acreage of wine grapes.

### Summary of Fruit Acreage for Operation on Label - January 1, 2002

Fruit	Total Acres (Tenths)		Fruit	Total Acres (Tenths)
Apples	100 .____		Peaches	105 .____
Pears	101 .____		Nectarines	106 .____
Sweet Cherries	102 .____		Plums/Prunes	107 .____
Tart Cherries	103 .____		Wine Grapes	108 .____
Apricots	104 .____		Other Grapes	109 .____
Total Fruit Acreage . . . . .			110 .____	
Total Acres in Operation (Include roads, wasteland, other crops,etc.) . . . . .			120 .____	

NOTE: If you do not have wine grapes, skip to the back page, question 2.

Reported by: \_\_\_\_\_ Telephone: \_\_\_\_\_

County where grown: \_\_\_\_\_ Date: \_\_\_\_\_

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The time required to complete this information collection is estimated to average 8 minutes per response.

## WINE GRAPE VARIETIES

Red Wine Varieties			White Wine Varieties	
Barbera	Malbec	Royalty	Chardonnay	Okanagan Riesling
Cabernet Franc	Merlot	Souzao	Chasselas Dore	Orange Muscat
Cabernet Sauvignon	Pinot Noir	Tinto Cao	Chenin Blanc	Pinot Blanc
Carmenere	Sangiovese	Touriga	Gewurztraminer	Pinot Gris
Cascade	Syrah		Golden Muscat	Rousanne
Cinsaut	Zinfandel		Madeline Angevine	Sauvignon Blanc
Cournoise	Leon Milot		Madeline Sylvaner	Semillon
Dolcetto	Mourvedre		Marsanne	Siegerrebe
Gamay	Nebbiolo		Mueller-Thurgau	Viognier
Grenache	New York Muscat		Muscat Canelli	White Riesling
Lemberger	Petit Verdot	Other red (specify)	Muscat of Alexandria	Other white (specify)

## WASHINGTON'S VITICULTURAL AREAS(AVA)

AVA Regions	Sub-Regions	Overlap with Oregon	AVA Regions	Sub-Regions	Overlap with Oregon
Columbia Valley	<b>Washington</b> Alder Ridge Canoe Ridge Cold Creek Columbia Basin/Snake River Mattawa Royal Slope Wahluke Slope Wallula Area Zephyr Ridge Other Areas	<b>Oregon</b>	Puget Sound Yakima Valley Walla Walla Valley Red Mountain All Other Areas	None None <b>Washington</b> None None	

## Wine Grape Acreage by Block for Operation on Label - January 1, 2002

(Note: Use a separate line if there is a change in variety or year planted.)

County	AVA Region	Sub-Regions	Block Name or Number	Wine Grape Variety	Acres in Vines (tenths)	Year Planted (19__ or 20__)	Was This Block Contracted in 2001? (Circle Yes or No)
200 Benton	Columbia Valley	300 Canoe Ridge	#1	500 Chardonnay	600 20 .0	700 1987	800 (Yes) No
201 Benton	Columbia Valley	301 Other	#2	501 Merlot	601 15 .2	701 1988	801 (Yes) No
202 Yakima	Yakima Valley	302 None	#3	502 Syrah	602 5 .2	702 1994	802 Yes (No)
203 Benton	Columbia Valley	303 Alder Ridge	#4	503 Cabernet Franc	603 6 .7	703 1989	803 (Yes) No
204		304		504	604 .	704	804 Yes No

## Wine Grape Acreage by Block for Operation on Label - January 1, 2002

(Note: Use a separate line if there is a change in variety or year planted.)

County	AVA Region	Sub-Regions	Block Name or Number	Wine Grape Variety	Acres in Vines (tenths)	Year Planted (19__ or 20 __)	Was This Block Contracted in 2001? (Circle Yes or No)
215		315		515	615 .__	715 ____	815 Yes No
216		316		516	616 .__	716 ____	816 Yes No
217		317		517	617 .__	717 ____	817 Yes No
218		318		518	618 .__	718 ____	818 Yes No
219		319		519	619 .__	719 ____	819 Yes No
220		320		520	620 .__	720 ____	820 Yes No
221		321		521	621 .__	721 ____	821 Yes No
222		322		522	622 .__	722 ____	822 Yes No
223		323		523	623 .__	723 ____	823 Yes No
224		324		524	624 .__	724 ____	824 Yes No
225		325		525	625 .__	725 ____	825 Yes No
226		326		526	626 .__	726 ____	826 Yes No
227		327		527	627 .__	727 ____	827 Yes No
228		328		528	628 .__	728 ____	828 Yes No
229		329		529	629 .__	729 ____	829 Yes No
Total acreage for all blocks . . . . .					400 .__		

*If more lines are needed to report all of your information, please photo copy this page and include it with the questionnaire. Refer to the enclosed maps defining appellations and regions. If you don't know the appellation or region the block is located in, check with your winery or the Washington Wine Commission.*

*Note: Verify that the sum of acres for wine grapes equals the acreage reported in the summary table on the face page of this questionnaire. If the information does not agree, please review and make corrections.*



## Wine Grape Acreage by Block for Operation on Label - January 1, 2002

(Note: Use a separate line if there is a change in variety or year planted.)

County	AVA Region	Sub-Regions	Block Name or Number	Wine Grape Variety	Acres in Vines (tenths)	Year Planted (19__ or 20 __)	Was This Block Contracted in 2001? (Circle Yes or No)
230		330		530	630 .__	730 ____	830 Yes No
231		331		531	631 .__	731 ____	831 Yes No
232		332		532	632 .__	732 ____	832 Yes No
233		333		533	633 .__	733 ____	833 Yes No
234		334		534	634 .__	734 ____	834 Yes No
235		335		535	635 .__	735 ____	835 Yes No
236		336		536	636 .__	736 ____	836 Yes No
237		337		537	637 .__	737 ____	837 Yes No
238		338		538	638 .__	738 ____	838 Yes No
239		339		539	639 .__	739 ____	839 Yes No
240		340		540	640 .__	740 ____	840 Yes No
241		341		541	641 .__	741 ____	841 Yes No
242		342		542	642 .__	742 ____	842 Yes No
243		343		543	643 .__	743 ____	843 Yes No
244		344		544	644 .__	744 ____	844 Yes No
Total acreage for all blocks . . . . .					400 .__		

*If more lines are needed to report all of your information, please photo copy this page and include it with the questionnaire. Refer to the enclosed maps defining appellations and regions. If you don't know the appellation or region the block is located in, check with your winery or the Washington Wine Commission.*

*Note: Verify that the sum of acres for wine grapes equals the acreage reported in the summary table on the face page of this questionnaire. If the information does not agree, please review and make corrections.*

## INTENTIONS

1. How many acres of wine grapes <b>do you plan to remove</b> between January 1, 2002 to December 31, 2002?	A. White Varieties	770	<div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto; text-align: center;">. ____</div>	acres
	B. Red Varieties	780	<div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto; text-align: center;">. ____</div>	acres
2. How many acres of wine grapes <b>do you intend to plant</b> between January 1, 2002 to December 31, 2002?	A. White Varieties	870	<div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto; text-align: center;">. ____</div>	acres
	B. Red Varieties	880	<div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto; text-align: center;">. ____</div>	acres
3. What percent of your 2002 wine grape production is <b>contracted</b> ?	A. White Varieties	970	<div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto; text-align: center;">. ____</div>	percent
	B. Red Varieties	980	<div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto; text-align: center;">. ____</div>	percent

Comments about unusual situations that would be helpful in understanding your operation would be appreciated.  
*(These comments are confidential.)*

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Comments may be made directly to the WWC, Stacie Jacob 206-667-9463 x217 [sjacob@washingtonwine.org](mailto:sjacob@washingtonwine.org) or WAWGG, Vicky Scharlau 509-782-8234 [scharlau@televar.com](mailto:scharlau@televar.com) for any of your concerns.

Are the day to day decisions for this operation made by partners?

(     ) No - Continue.

(     ) Yes - To help us eliminate possible duplication, please identify other partners in the operation.

Name

Address

Phone

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If you would like to receive a copy of the survey results, please check here.  
 If additional help is needed, please call (360)902-1940 or 1-800-435-5883.

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